



Bulletin 124
GEOLOGY OF
KANE COUNTY, UTAH
by
Hellmut H. Doelling and Fitzhugh D. Davis

1080

1989

TOPOGRAPHIC MAP

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Utah Geological and Mineral Survey
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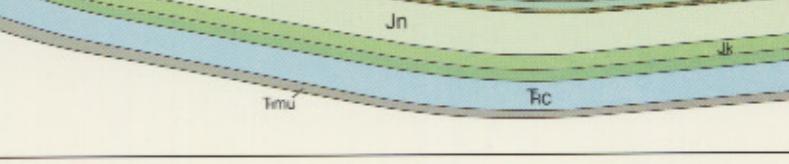
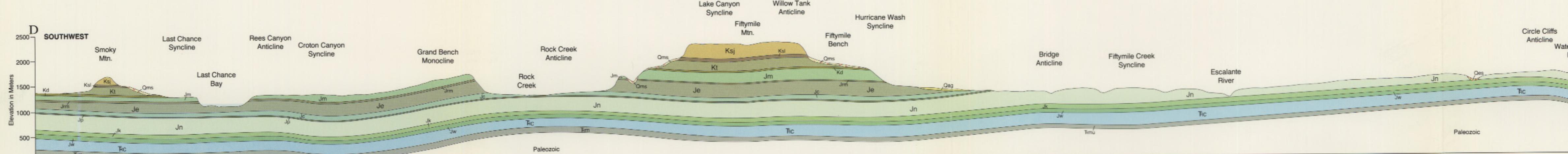
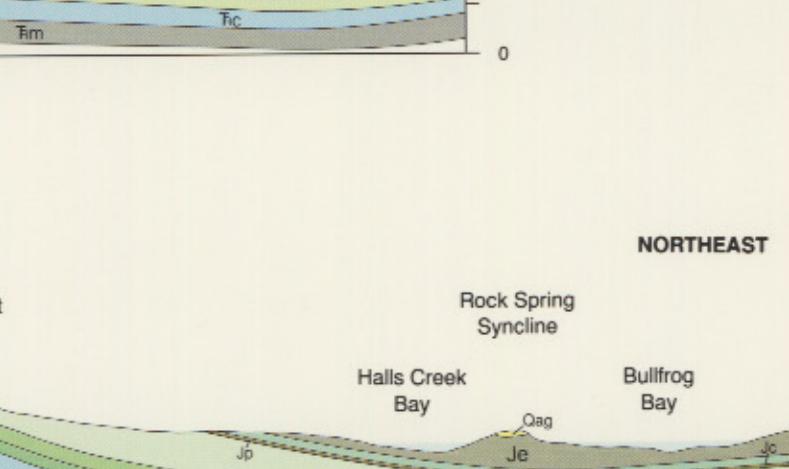
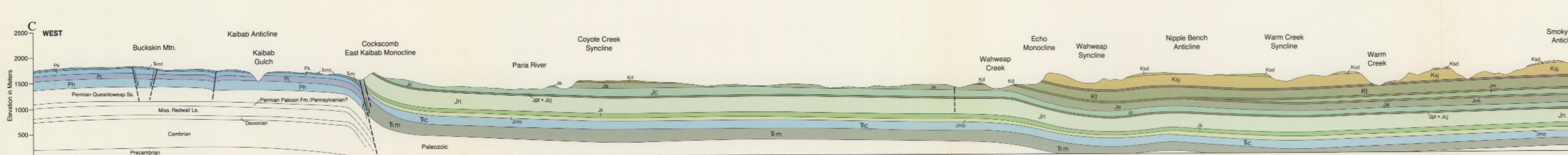
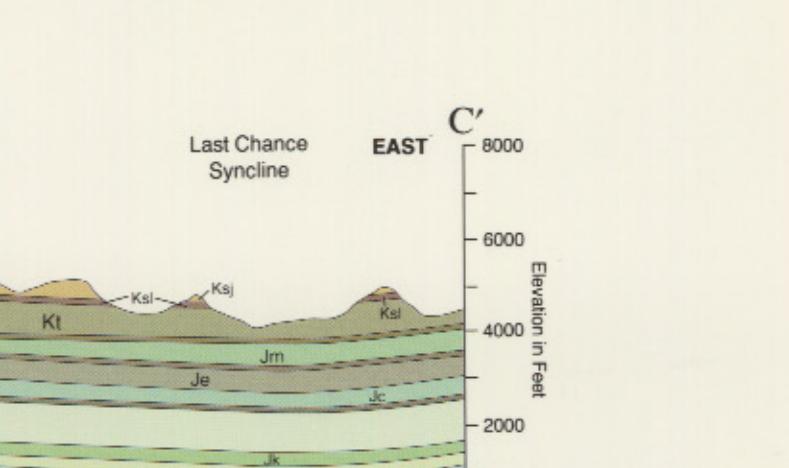
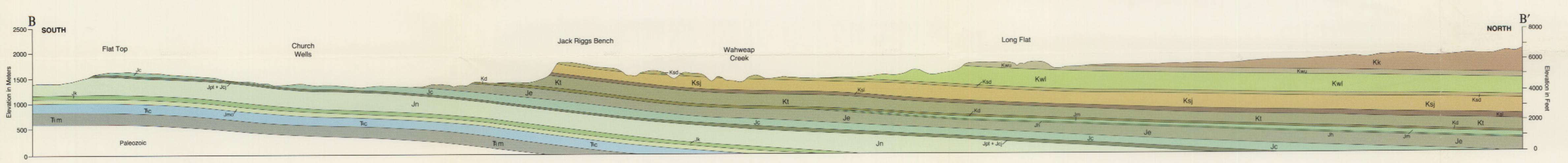
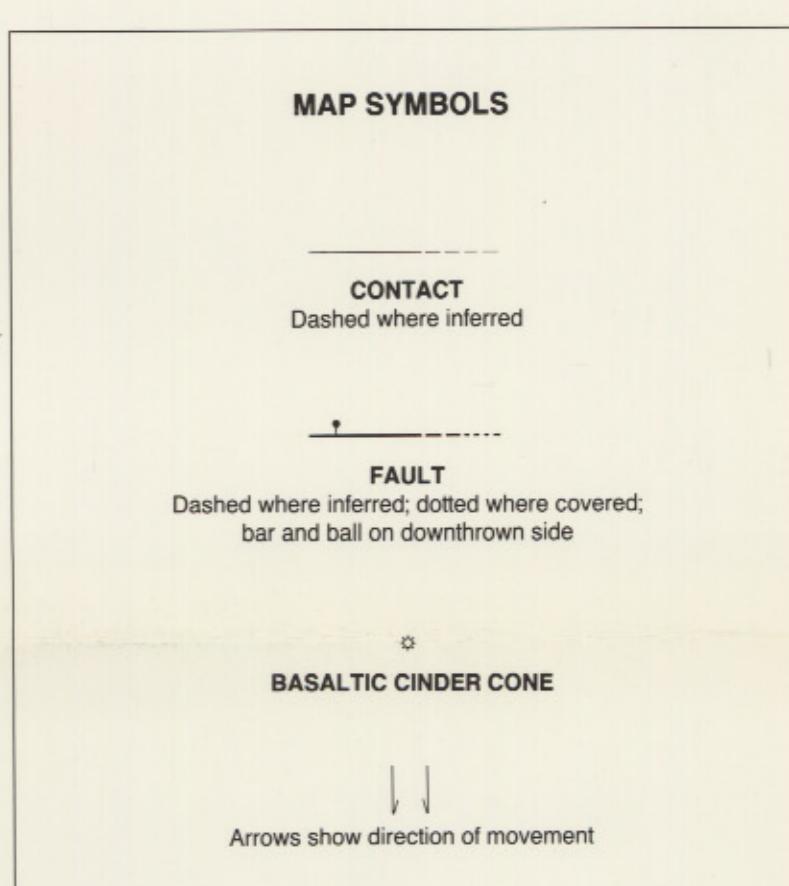
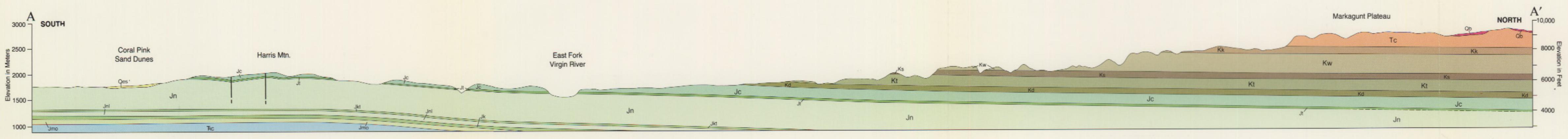
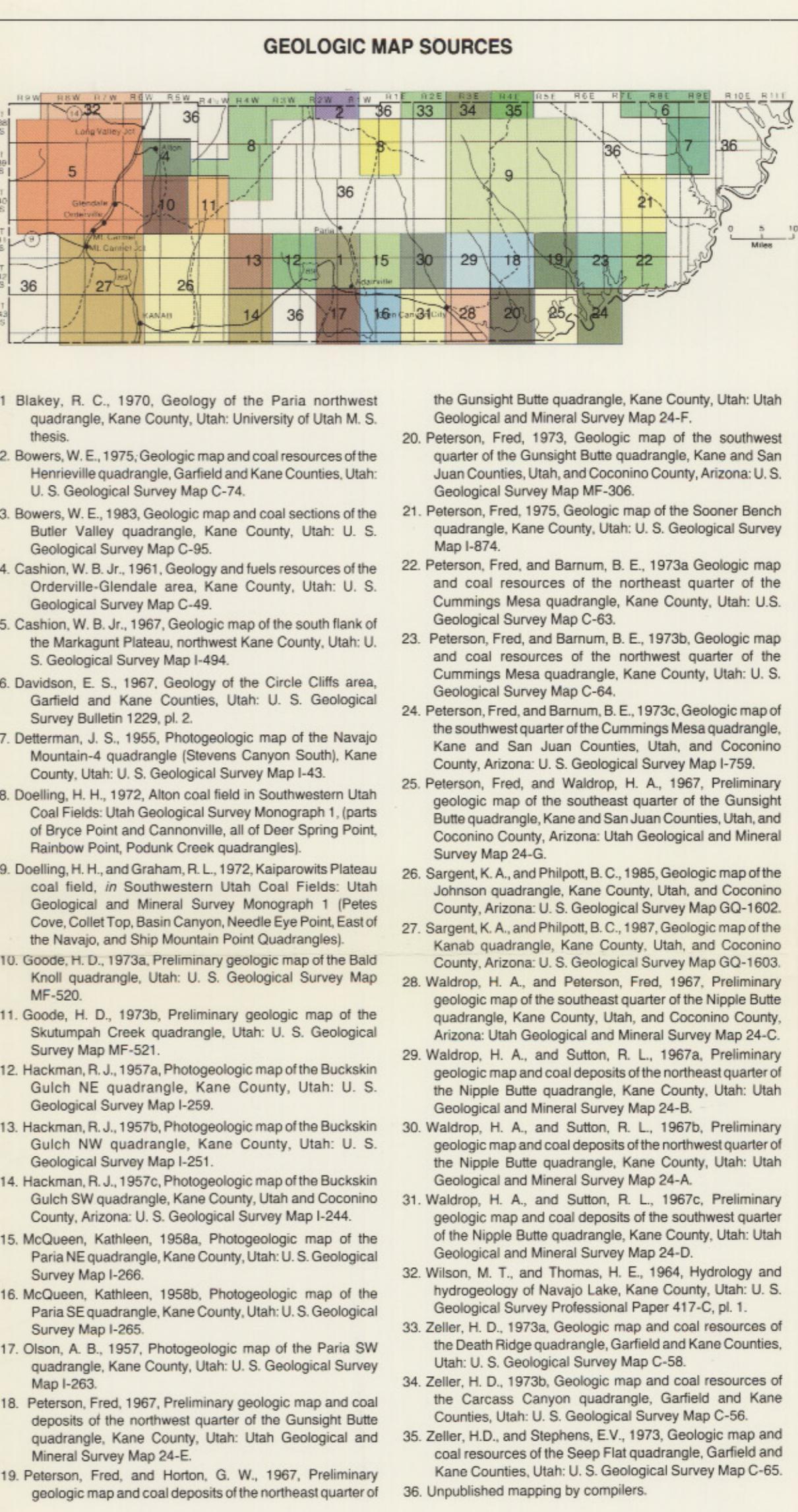
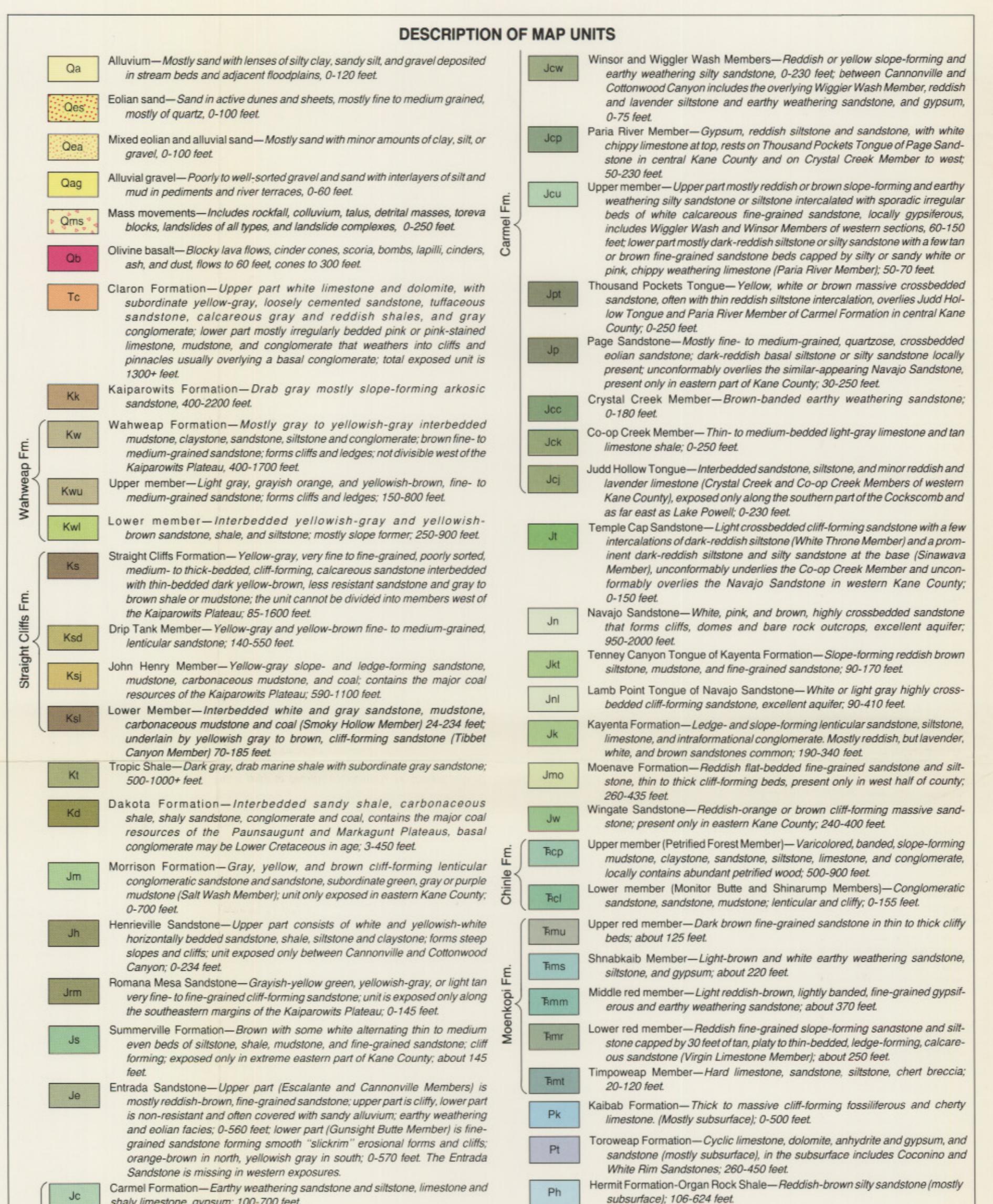
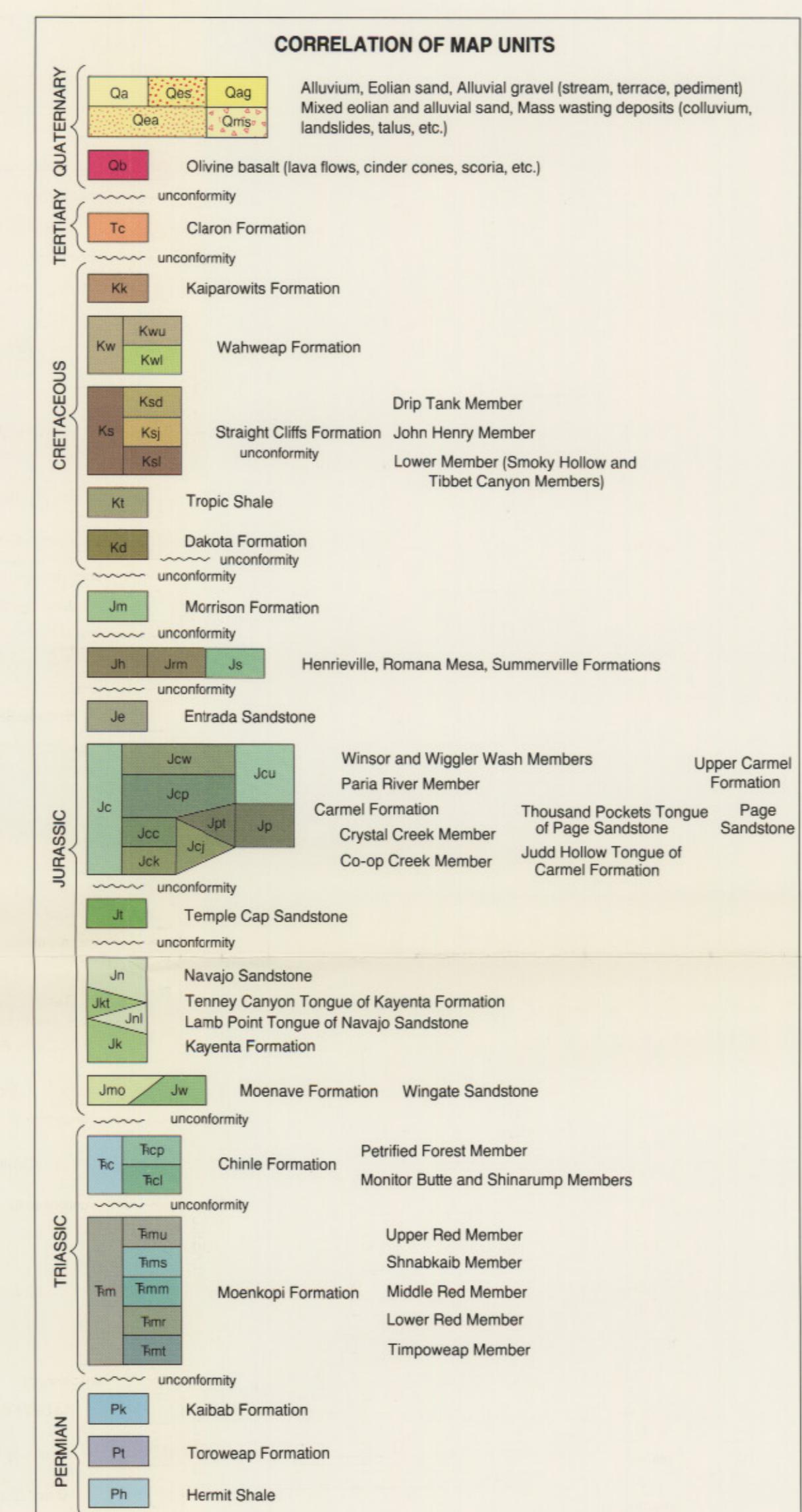
Patricia H. Speranza

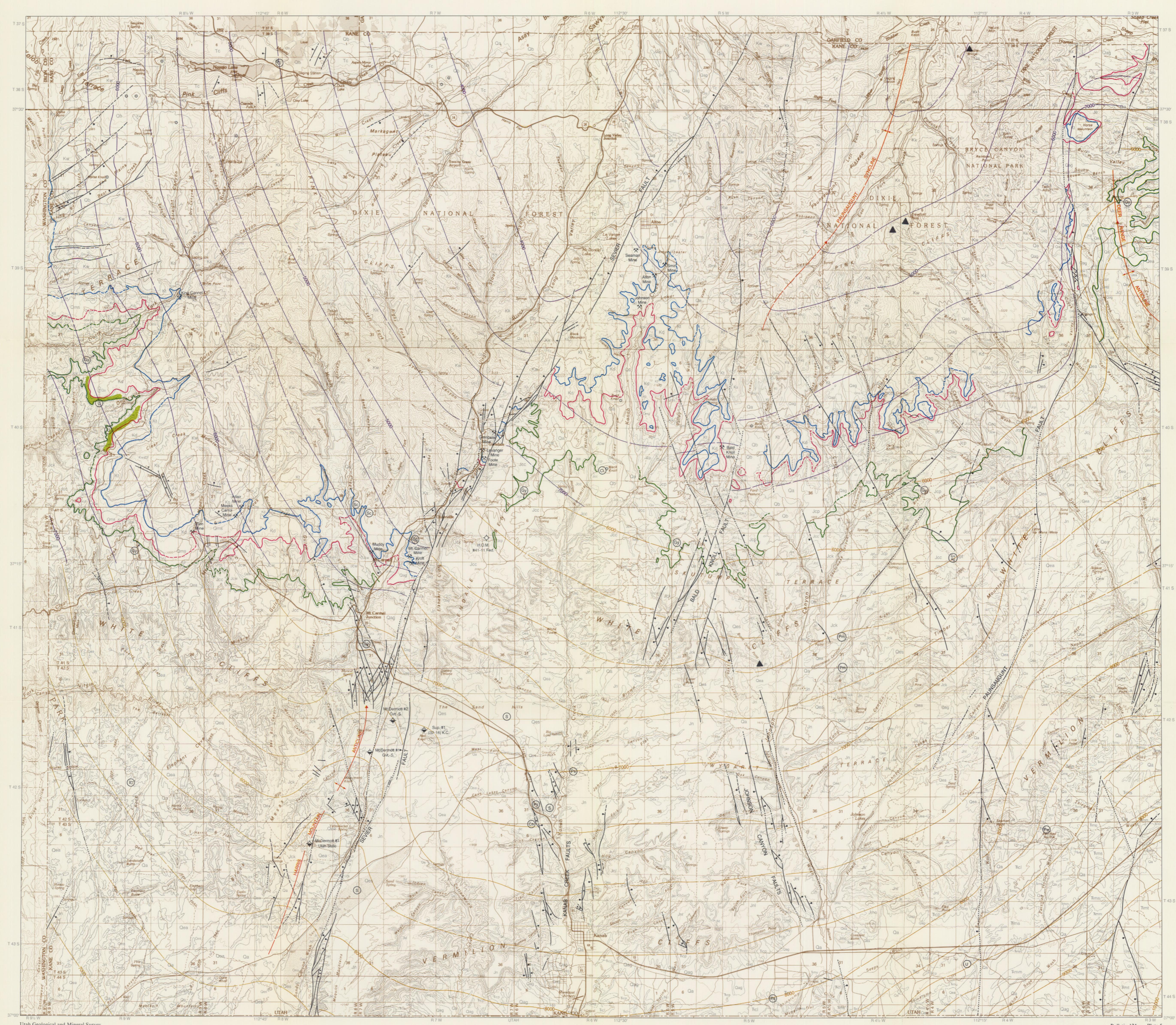
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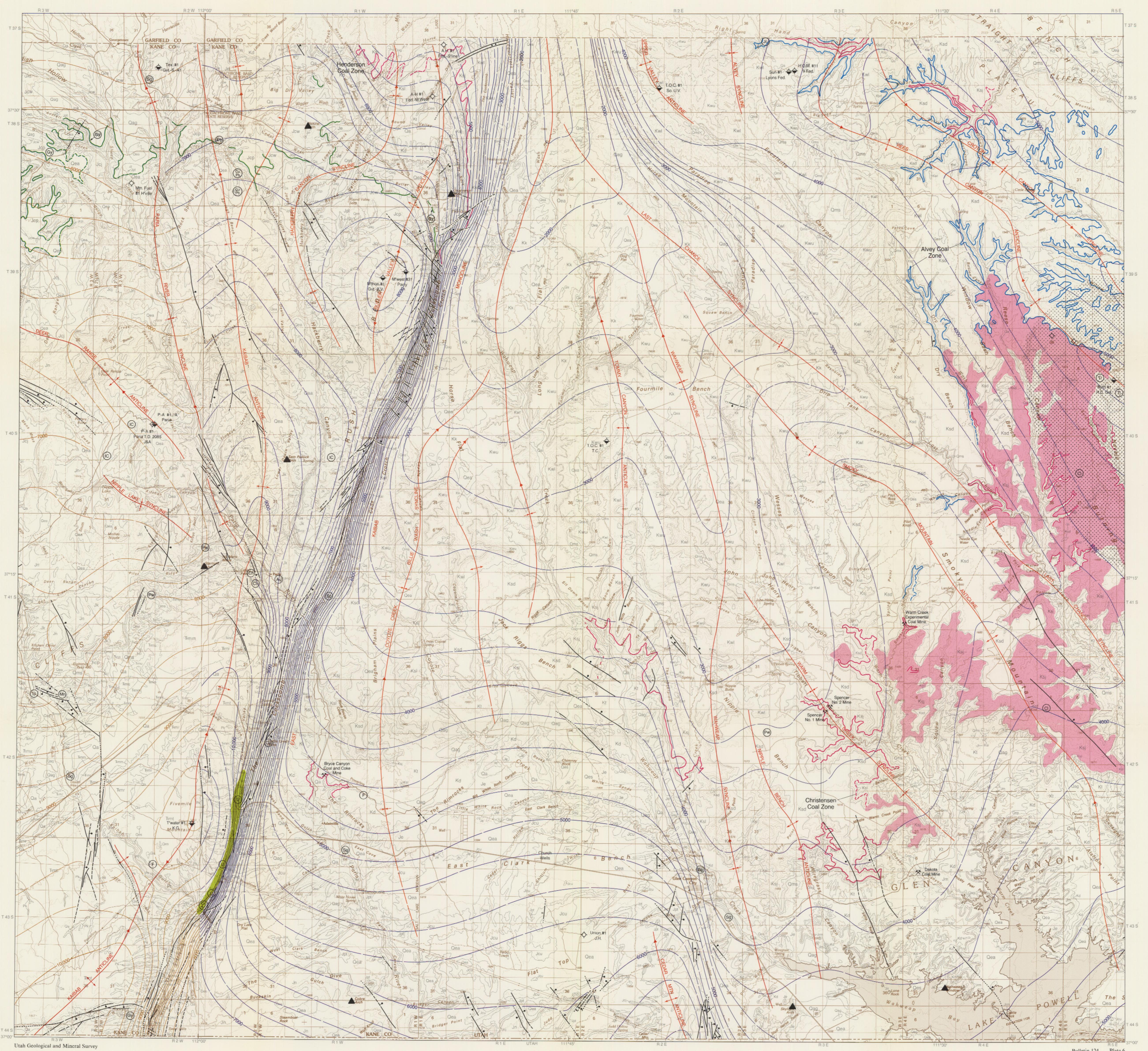
Cartographer, Patricia H. Speranza

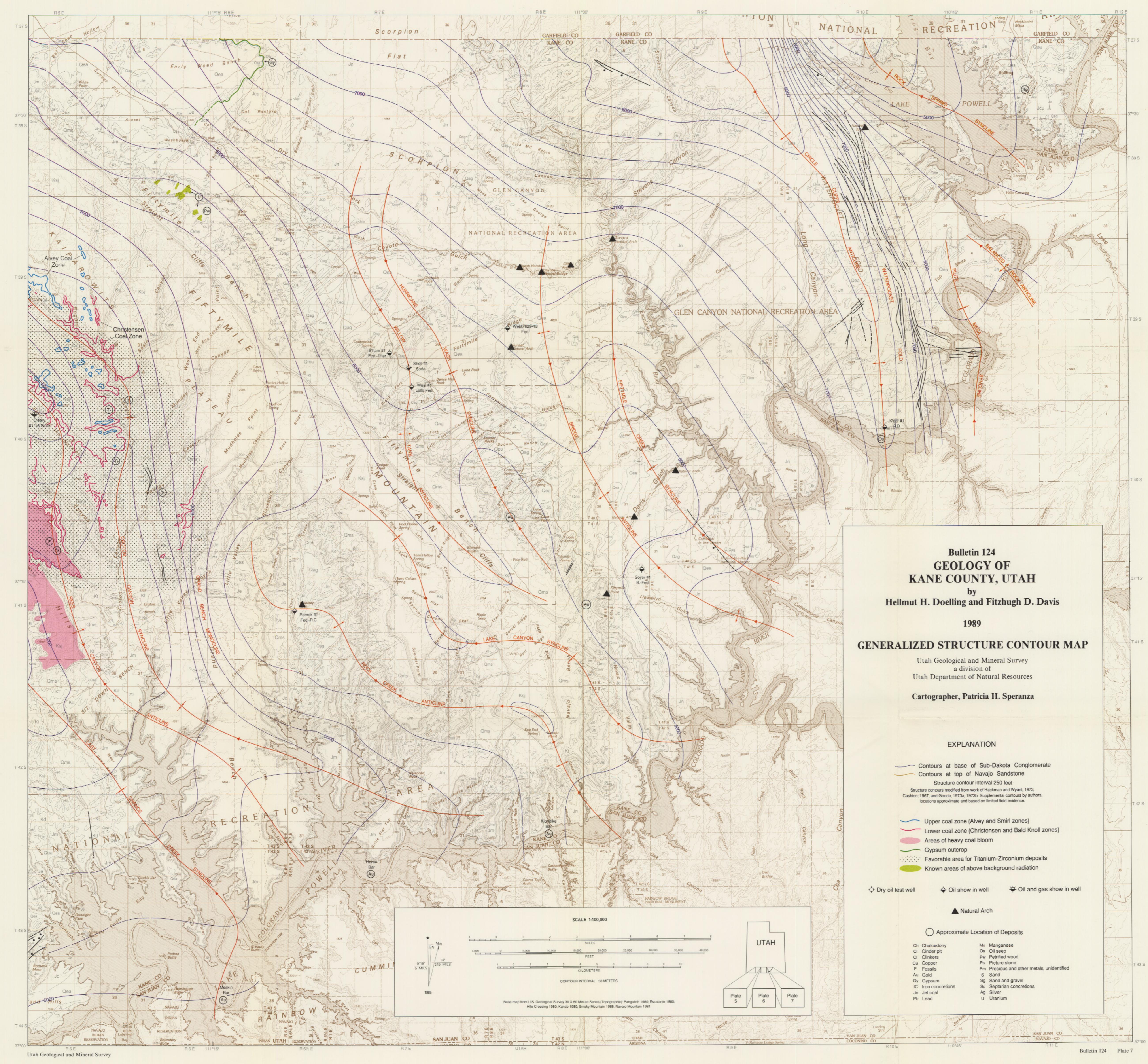
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FORMATION or MEMBER	MAP SYMBOL	THICKNESS IN FEET	LITHOLOGY
Claron Formation	Tc	1300+	
Kaiparowits Formation	Kk	400-2200	
Wahweap Formation	Kwu	400-1700	
Straight Cliffs Formation	Kwl		
Drip Tank Mbr	Ksd	140-550	
John Henry Member	Ksj	85-1600	Coal
Smoky Hollow Mbr.	Ksl	24-234	Coal
Tibbet Canyon Mbr.		70-185	
Tropic Shale	Kt	500-1000	
Dakota Formation	Kd	3-450	Coal
Morrison Formation	Jm	0-700	
Hnrlevl, Rom Mesa, Smrvl	Jh Jrm Js	0-234	
Entrada Sandstone	Je	0-950+	0-560
Escalante and Cannonville Members			
Carmel Formation	Jcw Jcp Jpt Jp Jcc Jcj Jck	100-700	0-570
Lower 'Silkrim' Gunsight Butte			
Winsor & Wiggler Wash			0-350
Paria River Mbr.			50-230
Thousand Pockets Page			0-200
Crystal Creek Judd Co-op Creek Hollow	Jcc Jcj Jck	0-180	0-230
Temple Cap Sandstone	Jt	0-150	
Navajo Sandstone	Jn	\$50-2000	
Tenney Canyon Tongue	Jkt	90-170	
Lamb Point Tongue	Jnl	90-410	
Kayenta Formation	Jk	190-340	
Moenave Formation or Wingate Sandstone	Jmo Jw	260-435 240-400	
Chinle Formation	Tcp	550-1000	500-900
Upper or Petrified Forest Member			
Moenkopi Formation	Tcl Tmu Tms Timm Timr Timt	±1035	0-155 ±125 ±220 ±370 ±30 ±220 20-120
Lower or Shinarump			
Upper Red Mbr.			
Shnabkaib Mbr.			
Middle Red Mbr.			
Virgin Limestone			
Lower Red Mbr.			
Timpoweap Mbr.			
Kaibab Formation	Pk	0-500	
Toroweap-White Rim Coconino	Pt	260-450	









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GENERALIZED STRUCTURE CONTOUR MAP

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Cartographer, Patricia H. Speranza

EXPLANATION

- Contours at base of Sub-Dakota Conglomerate
- Contours at top of Navajo Sandstone
- Structure contour interval 250 feet
- Structure contours modified from work of Hackman and Wyant, 1973, Cashion, 1967, and Goode, 1973a, 1973b. Supplemental contours by authors, locations approximate and based on limited field evidence.
- Upper coal zone (Alvey and Smirl zones)
- Lower coal zone (Christensen and Bald Knoll zones)
- Areas of heavy coal bloom
- Gypsum outcrop
- Favorable area for Titanium-Zirconium deposits
- Known areas of above background radiation

Diamond = Dry oil test well Star = Oil show in well Star with dot = Oil and gas show in well

Natural Arch

Circle = Approximate Location of Deposits

- Ch Chalcedony
- Ci Cinder pit
- Cl Clinkers
- Cu Copper
- F Fossils
- Au Gold
- Gy Gypsum
- IC Iron concretions
- Jc Jet coal
- Pb Lead
- Mn Manganese
- Os Oil seep
- Pw Petrified wood
- Ps Picture stone
- Pm Precious and other metals, unidentified
- S Sand
- Sg Sand and gravel
- Sg Septarian concretions
- Ag Silver
- U Uranium

